CANCER GENETICS AND CYTOGENETICS

Volume 79, Number 1, January 1995

Contents

Lead Article

Identification of the Chromosome 12 Translocation Breakpoint Region of a Pleomorphic Salivary Gland Adenoma with t(1;12)(p22;q15) as the Sole Cytogenetic Abnormality — 1
P.F.J. Kools, S. Wanschura, E.F.P.M. Schoenmakers, J.M.W. Geurts, R. Mols, B. Kazmierczak, J. Bullerdiek, H. Van Den Berghe, and W.J.M. Van de Ven

Original Articles

Characterization of Chromosome 8 Abnormalities by Fluorescence In Situ Hybridization in Childhood B-Acute Lymphoblastic Leukemia/Non-Hodgkin Lymphoma — 8
K. Nishida, J. Ritterbach, R. Repp, J. Harbott, and F. Lampert

Translocation of (1;16) Identified by Chromosome Painting, and PRimed IN Situ-Labeling (PRINS): Report of Two Cases and Review of the Cytogenetic Literature — 15
J. Hindkjaer, S.A.F.M. Hammoudah, K.B. Hansen, P.D. Jensen, J. Koch, and B. Pedersen

Involvement of Natural Killer Cells in Chronic Myeloid Leukemia — 21
S. Knuutila, M.L. Larramendy, T. Ruutu, and T. Helander

The Clonal Nature of Mediastinal Germ Cell Tumors and Acute Myelogenous Leukemia: A Case Report and Review of the Literature — 25
K. Woodruff, N. Wang, W. May, E. Adrone, C. Denny, and S.A. Feig

Deletion 20q in Association with Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia: A Report of Two Cases — 32
P.E. Hollings, S.M. Benjes, I. Rosman, and P.H. Fitzgerald

Selection of Adrenal Tumor Cells in Culture Demonstrated by Interphase Cytogenetics — 36
C. Rosenberg, V.A. Della-Rosa, A.C. Latronico, B.B. Mendonça, and A.M. Vianna-Morgante

Structural Instability of a Transmissible End-to-End Dicentric Chromosome in a Xeroderma Pigmentosum Fibroblast Clone — 41
C. Mondello, A. Casati, R. Riboni, and F. Nuzzo

Mutational Activation of *ras* Genes is Absent in Pediatric Osteosarcoma — 49
F. Antillón-Klüssmann, M. García-Delgado, I. Villa-Elízaga, and L. Sierrasesúmaga

Chromosomal Characteristics of Tumorigenic Cells Derived from a Spontaneous Uterine Leiomyosarcoma of the Chinese Hamster — 54
H. Tateno, M. Yamada, and K. Funaki

Clonal Evolution of an Immunoblastic Type Non-Hodgkin's Lymphoma with der(6)t(1;6)(q11;p11) as Its Primary Cytogenetic Abnormality — 59
S. Gagos, K. Iatridou-Kyrkou, A. Liosi, P. Karakitsos, P. Papageorgaki, A. Kyroudi, and S. Pathak

Satellite I DNA in Transformed Rat Cells — 64
K.L. Sternes and B.K. Vig

Elevated Frequency of a Sst-I Polymorphism of the *Ets-1* Oncogene in Non-Hodgkin's Lymphoma Patients — 70
P.E. Crossen, M.J. Morrison, and B.M. Colls

Loss of Heterozygosity on the Short Arm of Chromosome 17 in Uterine Cervical Carcinomas — 74
S.-Y. Park, Y.-S. Kang, B.-G. Kim, S.-H. Lee, E.-D. Lee, K.-H. Lee, K.-B. Park, and J.-H. Lee

Myelodysplastic Syndrome in a Child with Constitutional Trisomy 8 Mosaicism and Normal Phenotype — 79
H. Hasle, N. Clausen, B. Pedersen, and K. Bendix-Hansen

Contents continued on next page

Contents continued

Short Communications

First Report of t(8;21)(q22;q22) in a Case of De Novo Acute Monoblastic Leukemia 82
M.C. Cox-Froncillo, M. Genuardi, J. Bajer, E. Livdi, G. Adorno, A. Venditti, M. Masi, P. Giudiceandrea, G. Neri, and G. Papa

Sister Chromatid Exchange Analysis in Acute Leukemia Patients 86
M. Tuna, S. Artan, S. Gezer, B.S. Şayli, and N. Başaran

Intermediate Lymphocytic Lymphoma with Both t(14;19)(q32.3;q13.1) and t(3;22)(q27;q11.2) 89
M. Nakagawa, H. Sugiyama, H. Ogawa, S. Tone, H. Morishita, H. Ikeda, M. Aozasa, M. Taniwaki, T. Abe, and T. Kishimoto

Involvement of Chromosome 7 in Wilms Tumor 92
A.M. Peier, A.M. Meloni, M.A. Erling, and A.A. Sandberg

Letter to the Editor

Serendipity of Philadelphia Chromosome 95
R.S. Verma

Volume 79, Number 2, February 1995

Contents

Lead Article

Interphase Cytogenetics of the t(8;21)(q22;q22) Associated with Acute Myelogenous Leukemia by Two-Color Fluorescence In Situ Hybridization 97
N. Sacchi, I. Magnani, L. Kearney, J. Wijsman, A. Hagemeijer, and M. Darfler

Original Articles

Deletion 6q in Three Cases of Mixed-Type Liposarcoma in Addition to t(12;16)(q13;p11) 104
Oguz Altungoz, Aurelia M. Meloni, Andrea Peier, Mark Zalupski, Suzanne Spanier, John S. J. Brooks, and Avery A. Sandberg

Chromosome Abnormalities and p53 Expression in a Small Cell Carcinoma of the Bladder 111
N.B. Atkin, M.C. Baker, and G.D. Wilson

Cytogenetic and Flow Cytometric Analysis of a Pancreatoblastoma 115
J. Wiley, K. Posekany, R. Riley, T. Holbrook, J. Silverman, V. Joshi, and S. Bowyer

Near-Haploidy in Two Malignant Fibrous Histiocytomas 119
F. Aspberg, F. Mertens, H.C.F. Bauer, J. Lindholm, F. Mitelman, and N. Mandahl

Chromosomal Instability in Multiple Endocrine Neoplasia Type 1: Cytogenetic Evaluation with DEB Test 123
P. Tomassetti, G. Cometa, E. Del Vecchio, M. Baserga, P. Faccioli, D. Bosoni, G. Paolucci, and L. Barbara

Supernumerary Isochromosome 4p in ANLL-M4 Myelomonocytic Type is Associated with Favorable Prognosis 127
J.J. Hoo, S.A. Gregory, B. Jones, and K. Szego

Translocation (2;3)(p22;q28) Is Associated with Myeloid Disorders 130
R. Berger, M. Flexor, M. Le Coniat, J. Derré, and T. Leblanc

Are Chromosome Aberrations in Circulating Lymphocytes Predictive of Future Cancer Onset in Humans? Preliminary Results of an Italian Cohort Study 133
S. Bonassi, A. Abbondandolo, L. Camurri, L. Dal Prá, M. De Ferrari, F. Degrassi, A. Forni, L. Lamberti, C. Lando, P. Padovani, I. Sbrana, D. Vecchio, and R. Puntoni

Translocation (6;10)(p21;q22) in Uterine Leiomyomas 136
Y.Y. Ozisik, A.M. Meloni, O. Altungoz, U. Surti, and A.A. Sandberg

Chromosome Aberrations in Desmoid Tumors: Trisomy 8 May Be a Predictor of Recurrence 139
J.A. Fletcher, R. Naeem, S. Xiao, and J.M. Corson

Monosomy 1p is Correlated with Enhanced In Vivo Glucose Metabolism in Meningiomas 144
W. Henn, U. Cremerius, G. Heide, B. Lippitz, J.M. Schröder, J.M. Gilsbach, U. Büll, and K.D. Zang

An Isochromosome of the Long Arm of Chromosome 18 in a Patient with Myelodysplastic Syndrome with Myelofibrosis 149
Y. Xue, Y. Cao, Y. Gao, X. Xie, D. Lu, and Z. Chen

Fluorescence In Situ Hybridization for the Detection of Trisomies 8 and 9 in Polycythemia Vera 153
A. Amiel, E. Gaber, Y. Manor, M. Fejgin, N. Joseph-Lerner, M. Ravid, and M. Lishner

Tetraploidization and Progressive Loss of 6q in a Squamous Cell Carcinoma of the Parotid Gland 157
Y. Jin, F. Mertens, N. Mandahl, J. Wennerberg, M. Dictor, S. Heim, and F. Mitelman

Cytogenetic Changes in Ovarian Mucinous Cystadenocarcinoma of Low Malignant Potential with Persistent Pseudomyxoma Peritonei 160
S.A. Vasilev, A.M. Meloni, and A.A. Sandberg

Chromosomal Changes in Renal Oncocytomas: Evidence That t(5;11)(q35;q13) May Characterize a Second Subgroup of Oncocytomas 164
E. van den Berg, T. Dijkhuizen, S. Störkel, G. Brutel de la Rivière, A. Dam, H.J.A. Mensink, J.W. Oosterhuis, and B. de Jong

Double-Minute Chromosomes Appearing in a Patient with Myelodysplastic Syndrome with Disease Evolution 169
K. Ohyashiki, T. Murakami, J.H. Ohyashiki, K. Kawakubo, T. Fujimura, A. Iwabuchi, and K. Toyama

Involvement of Chromosome 22 in Ependymomas 173
C. Wernicke, G. Thiel, T. Lozanova, S. Vogel, D. Kintzel, W. Jänisch, K. Lehmann, and R. Witkowski

Short Communications

Translocation (1;14)(p34;q11) and Trisomy 8 in a T-Cell Acute Lymphoblastic Leukemia Patient 177
G.A. Martín-Henao and A. Sureda

Cytogenetic and FISH Investigations on Tetrasomy 8 in ANLL 182
R. La Starza, B. Crescenzi, C. Matteucci, M.F. Martelli, and C. Mecucci

Is Trisomy 4 a Secondary Chromosomal Abnormality in Acute Myeloblastic Leukemia? 186
R. Bonomi, M. Le Coniat, and R. Berger

Letters to the Editor

Translocation (11;19)(q14–21;p12) in a Parotid Mucoepidermoid Carcinoma of a Child 188
R. Dahlenfors, B. Wedell, H. Rundcrantz, and J. Mark

Trisomy 20 Characterizes a Second Group of Desmoid Tumors 189
P. Dal Cin, R. Sciot, B. van Damme, I. De Wever, and H. Van Den Berghe

Volume 80, Number 1, March 1995

Contents

Lead Article

Cloning of Breakpoints in 3q21 Associated with Hematologic Malignancy 1
Y. Pekarsky, E. Zabarovsky, V. Kashuba, H. Drabkin, A.A. Sandberg, R. Morgan, A. Rynditch, and K. Gardiner

Original Articles

Chromosomal Abnormalities in Choriocarcinomas of the Female 9
E. Rodriguez, J. Melamed, V. Reuter, and R.S.K. Chaganti

Contents continued on next page

Contents Continued

Cytogenetic Findings in Regressing Skin Lesions of Lymphomatoid Papulosis 13
K. Peters, J.H.M. Knoll, and M.E. Kadin

Multiple Lipomatosis and Childhood Cancer A New Association? 17
A.L. Hartley, J.M. Birch, V. Blair, M. Harris, and A.M. Kelsey

Aggressive Giant Cell Fibroblastoma with a Balanced 17;22 Translocation 20
R.D. Craver, H. Correa, Y.S. Kao, T. Van Brunt, and E.S. Golladay

12q13, A New Recurrent Breakpoint in Acute Non-Lymphoblastic Leukemia 23
M.M.B. Seyger, J. Ritterbach, U. Creutzig, A.K. Gnekow, U. Göbel, N. Graf, A. Reiter, F. Lampert, and J. Harbott

Analysis of Chromosomal Abnormalities in Human Sperm After Chemotherapy by Karyotyping and Fluorescence In Situ Hybridization (FISH) 29
R.H. Martin, A.W. Rademaker, and N.J. Leonard

Trisomy 8 and 18 as Frequent Clonal and Single-Cell Aberrations in 185 Primary Breast Carcinomas 33
C. Rohen, K.M. Bolte, U. Bonk, T. Ebel, B. Staats, E. Leuschner, G. Gohla, J. Caselitz, S. Bartnitzke, and J. Bullerdiek

Cytogenetics of Twelve Cases of Uveal Melanoma and Patterns of Nonrandom Anomalies and Isochromosome Formation 40
G. Prescher, N. Bornfeld, W. Friedrichs, S. Seeber, and R. Becher

Evolution of Chromosomal Alterations and Biologic Features in Two Small Cell Lung Carcinoma Cell Lines Established from One Patient During the Course of the Disease 47
A.-F. Goguel, F. Fouquet, A. Duverger, F. Arvelo, M. Jacrot, M.-F. Poupon, and A. Bernheim

Gene Amplification Elucidated by Combined Chromosomal Microdissection and Comparative Genomic Hybridization 55
B.C. Liang, P.S. Meltzer, X.-Y. Guan, and J.M. Trent

Short Communications

Detection of M-*bcr/abl* Fusion by Fluorescence In Situ Hybridization (FISH) in a Case of Ph Negative CML 60
A.N. Mohamed, S.A.D. Ebrahim, F.H. Sarkar, J. Uberti, and S.R. Wolman

Centromere Spreading and Centromeric Aberrations in Ovarian Tumors 63
D. Zhu, M.S. Ma, R.Z. Zhao, and M.Y. Li

Trisomy 4 as the Sole Karyotypic Anomaly in Acute Biphenotypic Leukemia with B Lineage Markers and in Acute Minimally Differentiated Myeloid Leukemia (MO) 66
M.C. Cox-Froncillo, M. Zollino, G. Del Poeta, J. Bajer, R. Stasi, A. Venditti, M. Tribalto, G. Neri, and G. Papa

Hypereosinophilia Associated with Monosomy 7 68
N. Viniou, X. Yataganas, D. Abazis, G. Paterakis, S. Vavourakis, K. Stamatopoulos, M. Matzourani, D. Loukopoulos, and C. Pangalos

Inversion 14q in Acute Lymphoblastic Leukemia of B-Lineage 72
K.F. Wong, Y.L. Kwong, and T.K. Wong

Dermatofibrosarcoma Protuberans with a t(X;7) Abnormality in a Child 75
R.D. Craver, H. Correa, Y. Kao, and T. Van Brunt

Isochromosome 14q in Childhood Acute Lymphoblastic Leukemia 78
L. Tusell, M.R. Caballín, M.D. Coll, J.J. Ortega, and J. Egozcue

Letters to the Editor

Jumping Translocations in Acute Lymphoblastic Leukemia 80
L. Seghezzi, P. Addis, S. Giglio, R. Invernizzi, and E. Maserati

Constitutional Duplication 1q in Acute Myeloid Leukemia 82
Y.L. Kwong

Recurrent Chromosomal Imbalances in Choroid Plexus Tumors 83
F. Mertens, S. Heim, N. Mandahl, F. Mitelman, A. Brun, L.-G. Strömblad, C.-M. Kullendorff, and M. Donnér

Translocation 11;19 in a Mucoepidermoid Tumor of the Lung 85
M. Johansson, N. Mandahl, L. Johansson, G. Hambraeus, F. Mitelman, and S. Heim

Volume 80, Number 2, April 1995

Contents

Lead Article

Characterization of 20q Deletions in Patients with Myeloproliferative Disorders or Myelodysplastic Syndromes — **87**
E. Nacheva, T. Holloway, N. Carter, C. Grace, N. White, and A.R. Green

Original Articles

Detection of PML-RARα Fusion Transcript in Ph Positive Leukemia with Acute Promyelocytic Phenotype Lacking the t(15;17) Cytogenetic Abnormality — **95**
G. Emilia, R. Marasca, G. Longo, M.G. Ferrari, M. Notohamiprodjo, P. Temperani, S. Sacchi, and G. Torelli

Refined Localization of the erbB-3 Proto-Oncogene by Direct Visualization of FISH Signals on LUT-Inverted and Contrast-Enhanced Digital Images of DAPI-Banded Chromosomes — **100**
D.B. Zimonjic, L. Rezanka, J.A. DiPaolo, and N.C. Popescu

Cytogenetic Findings in Uterine Epithelioid Leiomyomas — **103**
C. Karaiskos, N. Pandis, G. Bardi, K. Sfikas, A. Tserkezoglou, S. Fotiou, and S. Heim

Solid Alveolar Rhabdomyosarcoma with a t(2;13) — **107**
S.M. Yule, N. Brown, A.J. Malcolm, M.M. Reid, and A.D.J. Pearson

Near-Diploid Karyotypes with Recurrent Chromosome Abnormalities Characterize Early-Stage Endometrial Cancer — **110**
G. Bardi, N. Pandis, K. Schousboe, B. Hølund, and S. Heim

Sister Chromatid Exchange (SCE) Studies in Breast Cancer Patients: A Follow-Up Study — **115**
V.S. Dhillon, R. Bhasker, R.S. Kler, and S.A. Husain

Chromosome Analysis of Uterine Adenomyosis: Detection of the Leiomyoma-Associated del(7q) in Three Cases — **118**
N. Pandis, C. Karaiskos, G. Bardi, K. Sfikas, A. Tserkezoglou, S. Fotiou, and S. Heim

5q– Syndrome in a Child — **121**
A. Uyttebroeck, P. Brock, B. De Groote, M. Renard, P. Dal Cin, H. Van Den Berghe, and M. Casteels-Van Daele

Comparison of DNA Content in Non-Hodgkin's Lymphoma as Measured by Flow Cytometry and Cytogenetics — **124**
H.L. Grierson, T.N. Wooldridge, M. Hess, L. Wooldridge, A. Ratashak, M. Bast, J.O. Armitage, D.D. Weisenburger, and W.G. Sanger

Phorbol-12,13-Dibutyrate Improves the Quality of Cytogenetic Preparation in Lymphoid Malignancies — **129**
H. Pirc-Danoewinata, E. Onderka, G. Porenta, M. Kundi, H. Nowotny, E. Schlögl, R. Heinz, G. Kreiner, and C. Marosi

Translocation (X;14)(p11;q32) in a Patient with Refractory Anemia — **135**
Y.-K. Keung, D. Morgan, T.S. McConnell, E. Cobos, and C.H. Park

Cytogenetic Characterization of Three Human and Three Rat Medullary Thyroid Carcinoma Cell Lines — **138**
L.D. Cooley, F.F.B. Elder, A. Knuth, and R.F. Gagel

Constitutional Trisomy 8 Mosaicism and Gestational Trophoblastic Disease — **150**
H.F.L. Mark, J. Ahearn, and J.C. Lathrop

Short Communications

A Novel Translocation Involving Chromosomes 2, 9, 14, and 22 in Chronic Myeloid Leukemia — **155**
K. Endo, A. Sato, T. Sugawara, J. Kameoka, O. Fukuhara, K. Meguro, T. Shishido, and K. Abe

Contents continued on next page

Contents continued

Interstitial del(12)(q15q22) in Myelodysplastic Syndromes 158
M.T. Ferro, J.M. García-Sagredo, M. Resino, J. Laraña, E. Cabezudo, and C. San Román

A Variant t(14;17) in Acute Promyelocytic Leukemia: Positive Response to Retinoic Acid Treatment 160
J.C. Cigudosa, M.J. Calasanz, M.D. Odero, J. Marín, E. Bengoechea, and A. Gullón

Acute Lymphoblastic Leukemia with a Variant Philadelphia Translocation, der(9), and der(19) Chromosomes 162
A.D. Panani, J. Dervenoulas, A. Ferti, and S. Raptis

Letters to the Editor

Translocation (11;19)(q21;p13.1) in Mucoepidermoid Carcinoma of Salivary Gland 165
D.E. Horsman, K. Berean, and J.S. Durham

Complementation of Bloom Cellular Phenotype by Human Chromosome 15 167
A. Sensi, A. Bonfatti, R. Gruppioni, F. Gualandi, P. Rimessi, C. Trabanelli, G. Barbanti-Brodano, and E.J. Stanbridge

Cytogenetic Findings in a Metastatic Renal Cell Carcinoma 168
A.M. Peier, A.M. Meloni, A.A. Sandberg, S.P. Leong, and P.R. Carroll

Mechanism of Origin of the Isochromosome i(17q) 170
F. Pasquali

Editorial

Trisomy and Disomy in Tumors 171
F. Hecht

Volume 81, Number 1, May 1995

Contents

Original Articles

Characterization and Chromosomal Assignment of Yeast Artificial Chromosomes Containing Human 3p13–p21-Specific Sequence Tagged Sites 1
S.C. Michaelis, W. Bardenheuer, A. Lux, A. Schramm, A. Gockel, R. Siebert, C. Willers, K. Schmidtke, B. Todt, A.H. van der Hout, C.H.C.M. Buys, A.C. Heppell-Parton, P.H. Rabbits, S. Ungar, D. Smith, D. LePaslier, D. Cohen, B. Opalka, and J. Schütte

Appearance of Isochromosome 18q Can Be Associated with In Vitro Immortalization of Human T Lymphocytes 13
K. Kaltoft, C.B. Pedersen, B.H. Hansen, and K. Thestrup-Pedersen

Cytogenetic Study of a Case of Synchronous Bilateral Seminoma 17
A.-M. Vénuat, J.-P. Droz, M.-J. Terrier-Lacombe, C. Machavoine, and A. Bernheim

Clonal Origin of Philadelphia Chromosome Negative Cells with Trisomy 8 Appearing During the Course of α-Interferon Therapy for Ph Positive Chronic Myelocytic Leukemia 20
T. Ariyama, J. Inazawa, Y. Uemura, N. Kakazu, T. Maekawa, F. Urase, K. Irimajiri, A. Horiuchi, Y. Nakamura, and T. Abe

Translocation 11;14 in Newly Diagnosed Chronic Myelogenous Leukemia 24
A. Magdalinski, H. Drwinga, P. Crilley, J. Lasota, I. Brodsky, C.M. Croce, P.C. Nowell, and D.I. Marks

B-Cell Small Lymphocytic Lymphoma with Circulating Granular Prolymphocytes and a Novel Trisomy 15 Anomaly 28
K.F. Wong, J.K.C. Chan, Y.L. Kwong, V.C. Sin, S.K. Ma, and K.C. Tang

Translocation (9;22)(q22;q12): A Recurrent Chromosome Abnormality in Extraskeletal Myxoid Chondrosarcoma 33
Y. Hirabayashi, T. Ishida, M.A. Yoshida, T. Kojima, Y. Ebihara, R. Machinami, and T. Ikeuchi

Translocation (5;6) Associated with Spontaneously Remitting Congenital Leukemia 38
J.L.R. Mayer, M.R. Seashore, and F.M. Hajjar

No Association Between HLA-DQ and -DR Genotypes with Nasopharyngeal Carcinoma in Southern Chinese 42
P.K.T. Li, A.S.Y. Poon, S.-Y. Tsao, S. Ho, J.S.L. Tam, A.K.L. So, and K.N. Lai

Cytogenetic Analysis of Short-Term Cultured Squamous Cell Carcinomas of the Lung 46
M. Johansson, Y. Jin, N. Mandahl, G. Hambraeus, L. Johansson, F. Mitelman, and S. Heim

Correlations of Chromosome Abnormalities with Histologic and Immunologic Characteristics in 49 Patients from Akita, Japan with Non-Hodgkin Lymphoma 56
K. Hashimoto, I. Miura, A. Chyubachi, M. Saito, and A.B. Miura

Cytogenetic Report of a Male Breast Cancer 66
L.R. Cavalli, S.R. Rogatto, C.A. Rainho, M.J. dos Santos, I.J. Cavalli, and D.M. Grimaldi

Renal Cell Carcinoma with Translocation (X;1): Further Evidence for a Cytogenetically Defined Subtype 72
V. Tonk, K.S. Wilson, C.F. Timmons, N.R. Schneider, and G.E. Tomlinson

RT/PCR Detection of SIL-TAL-1 Fusion mRNA in Chinese T-Cell Acute Lymphoblastic Leukemia (T-ALL) 76
W. Huang, S.-Q. Kuang, Q.-H. Huang, S. Dong, T. Zhang, L.-J. Gu, L.M. Ching, S.-J. Chen, L.C. Chang, and Z. Chen

Characterization of a 14q+ Marker Chromosome in Philadelphia Chromosome Positive Acute Lymphoblastic Leukemia by DNA Analysis and Fluorescence In Situ Hybridization 83
H. Nakai, M. Taniwaki, S. Tanaka, H. Nishigaki, H. Nakagawa, S. Misawa, and K. Kashima

Short Communications
Concomitant Partial Tetrasomy 3q and Trisomy 18 in Waldenström Macroglobulinemia 92
K.F. Wong, Y.L. Kwong, and T.K. Wong

Trisomy 8 in Alveolar Soft Part Sarcoma 94
R.D. Craver, S.D. Heinrich, H. Correa, and Y.S. Kao

Constitutional and Acquired Rearrangements of Chromosome 7 in Wilms Tumor 97
H. Rivera

Letter to the Editor
Deletion of Both Chromosome 7 Homologues in Leiomyoma 99
K.L. Kingsley, A.M. Meloni, A.M. Peier, A.A. Sandberg, and U. Surti

Erratum 101

Volume 81, Number 2, June 1995

Contents

Original Articles
DLD-1 and HCT-15 Cell Lines Derived Separately from Colorectal Carcinomas Have Totally Different Chromosome Changes But the Same Genetic Origin 103
T.R. Chen, C.S. Dorotinsky, L.J. McGuire, M.L. Macy, and R.J. Hay

Contents continued on next page

Contents continued

Rearrengement of Chromosome 1 is a Frequent Finding in Endometrial Carcinoma: An In Situ Hybridization Study in Nine Endometrial Carcinomas **109**
R. Ketter, C.-L. von Ballestrem, S. Lampel, G. Seitz, K.D. Zang, K. Ramanakis, and B. Wullich

Reversed *BCR/ABL* Rearrangement Detected by FISH in Philadelphia Negative Chronic Myelocytic Leukemia **115**
D. Abeliovich, O. Yehuda, S. Krichevsky, A. Nagler, S. Ben-Neriah, M. Werner, O. Ludkovsky, and D. Ben-Yehuda

Molecular Cytogenetic Analysis of a t(7;10) in a Human Glioblastoma Cell Line **118**
D. Fults, C.A. Pedone, X.L. Zhu, B.J. Williams, E. Jones, and A.R. Brothman

Chromosomal Abnormalities in 47 Pediatric Brain Tumors **125**
D.P. Agamanolis and J.M. Malone

Clonal Karyotypic Evolution in a Pediatric Neurofibrosarcoma **135**
F. Mertens, S. Heim, C.-M. Kullendorff, M. Donnér, I. Hägerstrand, F. Mitelman, and N. Mandahl

Cytogenetics of Gastric and Esophageal Adenocarcinomas: 3q Deletion as a Possible Primary Chromosomal Change **139**
P.H. Rao, S. Mathew, D.P. Kelsen, and R.S.K. Chaganti

A Group of NotI Jumping and Linking Clones Cover 2.5 Mb in the 3p21–p22 Region Suspected to Contain a Tumor Suppressor Gene **144**
V.I. Kashuba, A. Szeles, R. Allikmets, A.-S. Nilsson, U.S.R. Bergerheim, W. Modi, A. Grafodatsky, M. Dean, E.J. Stanbridge, G. Winberg, G. Klein, and E.R. Zabarovsky

Molecular Characterization of a (1;10)(p22;q21) Constitutional Translocation from a Patient with Neuroblastoma **151**
R.S. Mead and J.K. Cowell

Prediction of 18-Month Survival in Patients with Primary Myelodysplastic Syndrome: A Regression Model and Scoring System Based on the Combination of Chromosome Findings and the Bournemouth Score **158**
V. Parlier, G. van Melle, Ph. Beris, P.M. Schmidt, A. Tobler, E. Haller, and M.J. Bellomo

Cytogenetic Findings in a Case of Nodular Fasciitis of the Breast **166**
S.H. Birdsall, J.M. Shipley, B.M. Summersgill, A.J.M. Black, P. Jackson, M.W. Kissin, and B.A. Gusterson

Cytogenetic Study of 11 Gastric Adenocarcinomas **169**
A.D. Panani, A. Ferti, S. Malliaros, and S., Raptis

Short Communications

Absence of Mutation at the GAP-Related Domain of the Neurofibromatosis Type 1 Gene in Sporadic Neurofibrosarcomas and Other Bone and Soft Tissue Sarcomas **173**
L. Gómez, C. Barrios, A. Kreicbergs, A. Zetterberg, A. Pestaña, and J.S. Castresana

Inversion(10)(q11q24) in a Case of Adult T-cell Leukemia **175**
T. Itoyama, N. Sadamori, H. Nakamura, I. Sasagawa, H. Soda, M. Tomonaga, S. Okamoto, and M. Hasumoto

Isochromosome 6p and Deletion of 6q Characterize Two Related Cytogenetic Clones in a Patient with Immunoblastic Lymphoma **179**
P. Scaravaglio, G. Saglio, M. Geuna, G. Palestro, T. Guglielmelli, and G. Rege-Cambrin

Patterns of Clonal Evolution in Transformed Chronic Myelogenous Leukemia **182**
P. Ruff, E. Saragas, M. Poulos, and A. Weaving

Letters to the Editor

Trisomy 13 in a Patient with a Myelodysplastic Syndrome **185**
F. Solé, S. Woessner, P. Acin, A. Páez, A. Pérez-Losada, L. Florensa, J. Sans-Sabrafen

New Rearranged Chromosomes t(2;3), t(7;14), t(8;11), and t(7;12;14), in a Case of T-cell Chronic Lymphocytic Leukemia **186**
Y. Akao, K.R. Utsumi

Volume 82, Number 1, July 1, 1995

Contents

Original Articles

Molecular Cytogenetics of Human Papillomavirus-Negative Cervical Carcinoma Cell Lines — 1
D.B. Zimonjic, S. Simpson, N.C. Popescu, and J.A. DiPaolo

Comparative Genomic Hybridization in Acute Myeloid Leukemia: A Comparison with G-Banding and Chromosome Painting — 9
E. Nacheva, C. Grace, T. Holloway, and A.R. Green

Characterization by Chromosome Painting of Balanced and Unbalanced X Chromosome Translocations in Myelodysplastic Syndromes — 17
L. Michaux, I. Wlodarska, C. Mecucci, J.M. Hernandez, A. Van Orshoven, J.-L. Michaux, and H. Van Den Berghe

Chromosome X Numerical Abnormalities in Patients with Non-Hodgkin's Lymphoma: A Study of 59 Patients Using Fluorescence In Situ Hybridization — 23
A. Younes, D. Jeniroba, R. Katz, D. Hill, F. Cabanillas, and M. Andreeff

Primary Cutaneous Neuroendocrine Tumors: Diagnostic Use of Cytogenetic and MIC2 Analysis — 30
E.J. Perlman, J.A. Lumadue, A.L. Hawkins, K. Cohen, P. Colombani, and C.A. Griffin

p53 Gene Mutations with Chromosome 17 Abnormalities in Chronic Myelogenous Leukemia Blast Crisis Patients Persist in Long-Term Cell Lines but May be Acquired in Acute Myeloid Leukemia Cells In Vitro — 35
S. Sen, H. Zhou, B. Andersson, A. Cork, E.J. Freireich, and S.A. Stass

Cytogenetic Findings in 200 Patients with Multiple Myeloma — 41
J.R. Sawyer, J.A. Waldron, S. Jagannath, and B. Barlogie

A Search for Double Minute Chromosomes in Cultured Lymphocytes from Different Types of Tumors — 50
S. Scappaticci, G.S. Fossati, L. Valenti, M. Scabini, S. Tateo, G. Nastasi, M. Spina, and E. Capra

A Unique Chromosome Translocation, t(11;12;18)(q13;q13;q12), in Primary Lung Lymphoma — 54
I. Kubonishi, S. Sugito, M. Kobayashi, Y. Asahi, T. Tsuchiya, T. Yamashiro, and I. Miyoshi

An Important Role for Chromosome 17, Band q25, in the Histogenesis of Alveolar Soft Part Sarcoma — 57
J. van Echten, E. van den Berg, J. van Baarlen, G. van Noort, A. Vermey, A. Dam, and W.M. Molenaar

Chromosome 12 Abnormalities in Malignant Ovarian Germ Cell Tumors — 62
E. Rodriguez, J. Melamed, V. Reuter, and R.S.K. Chaganti

Short Communications

Translocation (5;19)(q13) in a Multinodular Thyroid Goiter — 67
J. Cigudosa, A.P. Guerra, A.O. Gómez, J.L. Juan, J.A.P. Gomez, O.F. Roca, and J.L.G. Miranda

Biclonal Acute Monoblastic Leukemia Showing del(7q) and Trisomies 9 and 22 — 70
K.F. Wong, Y.L. Kwong, and K.C. Tang

Aggressive Pleomorphic CD2+, CD3−, CD56+ Lymphoma with t(5;9)(q31q34) Abnormality — 73
K.F. Wong, J.K.C. Chan, S.K. Ma, and K.Y. Lai

Translocation Rearrangements of 11q23 in Acute Monoblastic Leukemia — 76
Y.L. Kwong, S.C. Tso, K.F. Wong, K.C. Tang, and T.K. Cahn

Trisomy 12 Does Not Correlate with EBV Infection in Chronic B-Cell Leukemias — 80
A. Criel, C. Mecucci, I. Wlodarska, P. Meeus, M. Stul, J.-J. Cassiman, A. Louwagie, A. Van Hoof, M. Hidajat, and H. Van Den Berghe

Contents continued on next page

Contents continued

Letters to the Editor

Trisomy 7 as the Sole Cytogenetic Aberration in the Epithelial Component of a Colonic Adenoma — 82
G. Bardi, N. Pandis, C. Fenger, and S. Heim

Cytogenetic Characterization of an Iris Melonoma — 85
V.A. White, D.E. Horsman, and J. Rootman

Translocation (1;22)(q11;p11) in a Case of Early Pre-B Cell ALL — 88
I. Kubonishi, T. Eguchi, Y. Uemura, Y. Asahi, and I. Miyoshi

Acute Lymphoblastic Leukemia in a Patient with Familial Derivative Chromosome (4) — 90
E.W. Sasser, J.E. Wiley, and C. Daeschner

Volume 82, Number 2, July 1995

Contents

Original Articles

Application of FISH to Complex Chromosomal Rearrangements Associated with Chronic Myelogenous Leukemia — 93
B.A. Sullivan, C.A. Schiffer, S.R. Patil, D. Hulseberg, J. Leana-Cox, and S. Schwartz

Burkitt Translocation (8;22)(q24;q11) in a Patient with Multiple Myeloma — 100
R.M. Look, S.W. Lim, R.R. Schreck, S. Lee, M.P. Fuerst, G.N. Lawrence, D.A. Kusuanco, C.E. Kessler, and F.J. Giles

Therapy-Related Acute Myeloid Leukemia with t(8;16)(p11;p13) Following Anthracycline-Based Therapy for Nonmetastatic Osteosarcoma — 103
H. Demuynck, G.E.G. Verhoef, P. Zachée, P. Vandenberghe, A. Van Orshoven, R. Paridaens, I. Samson, and M.A. Boogaerts

Constitutional p53 Mutations Associated with Brain Tumors in Young Adults — 106
P. Chen, A. Iavarone, J. Fick, M. Edwards, M. Prados, and M.A. Israel

Heterogeneity of Lineage Involvement by Trisomy 8 in Myelodysplastic Syndrome: A Multiparameter Analysis Combining Conventional Cytogenetics, DNA In Situ Hybridization and Bone Marrow Culture Studies — 116
F. Fagioli, A. Cuneo, A. Bardi, M.G. Carli, R. Bigoni, R. Balsamo, R. Previati, I. Pazzi, G. Roberti, G.M. Rigolin, and G. Castoldi

Enhanced Expression of Common Fragile Site with Occupational Exposure to Pesticides — 123
I. Sbrana and A. Musio

Renal Cell Carcinoma: Cytogenetic Analysis of Tumors and Cell Lines — 128
W.P. Zhao, J.R. Gnarra, S. Liu, T. Knutsen, W.M. Linehan, and J. Whang-Peng

Increasing Levels of *MYC* and *MET* Co-Amplification During Tumor Progression of a Case of Gastric Cancer — 140
R. Seruca, R.F. Suijkerbuijk, F. Gärtner, B. Criado, I. Veiga, D. Olde-Weghuis, L. David, S. Castedo, and M. Sobrinho-Simões

Cytogenetically Detected Clonal Heterogeneity in a Duodenal Adenocarcinoma — 146
L. Gorunova, B. Johansson, S. Dawiskiba, Å. Andrén-Sandberg, N. Mandahl, S. Heim, and F. Mitelman

Identification of Two Distinct Chromosome 12-Derived Amplification Units in Neuroblastoma Cell Line NGP — 151
N. Van Roy, A. Forus, O. Myklebost, N. Ching Cheng, R. Versteeg, and F. Speleman

Chromosome Evolution in Retinoblastoma — 155
O. Oliveros and E. Yunis

Rearrangements Involving 12p12 in Two Cases of Cardiac Myxoma 161
T. Dijkhuizen, E. van den Berg, W.M. Molenaar, J.J. Meuzelaar, and B. de Jong

Y Chromosome Loss Detected by FISH in Bladder Cancer 163
G. Sauter, H. Moch, U. Wagner, H. Novotna, T.C. Gasser, G. Mattarelli, M.J. Mihatsch, and F.M. Waldman

Short Communication
Cytogenetic Characterization of a Bladder Carcinoma Cell Line by Fluorescence In Situ Hybridization 170
M.-R. Wang, B. Perissel, and P. Malet

Letter to the Editor
Complex Karyotype with an 11q13 Homogeneously Staining Region in Esophageal Squamous Cell Carcinoma 175
C. Jin, F. Mertens, Y. Jin, J. Wennerberg, S. Heim, and F. Mitelman

Volume 83, Number 1, August 1995

Contents

Original Articles
Hyperdiploid Acute Myeloid Leukemia: Relationship Between Blast Size and Karyotype Demonstrated by Fluorescence In Situ Hybridization 1
Y.L. Kwong and K.F. Wong

Ewing Tumor After Treatment of Ki-1$^+$ Anaplastic Large Cell Lymphoma: Therapy-Associated Secondary Neoplasm or Unrelated Coincidence? 5
A. Zoubek, I. Simonitsch, E. Renate Panzer-Grümayer, D. Ghali, C. Pfleiderer, O.A. Haas, G. Mann, S. Lang, T. Radaszkiewicz, H. Gadner, and H. Kovar

Cytogenetic and DNA Analysis of Two Neuroectodermal Tumors Without a Simple t(11;22) 12
H.R. Slater, T. Tiong, S. Konstantakopoulos, C. Sham, V. Petrovic, L. Voullaire, and G. Kannourakis

Cytogenetic Abnormalities in the Leukemic Phase of Non-Hodgkin Lymphoma 18
M.T. Khokhar, V. Brito-Babapulle, E. Matutes, and P. Catovsky

Molecular Breakpoints of t(11;14)(q13;q32) in Multiple Myeloma 25
P. Meeus, M. Stul, C. Mecucci, J.J. Cassiman, and H. Van Den Berghe

Clonal Chromosome Changes in Non-Neoplastic Ureters 28
R. Casalone, E. Minelli, R. Righi, P. Granata, E. Meroni, V. Caruso, D. Mazzola, M. Salvadore, E. Pozzi, and A.V. Bono

Characterization of the 12q13–15 Amplicon in Soft Tissue Tumors 32
M. Nilbert, A. Rydholm, F. Mitelman, P.S. Meltzer, and N. Mandahl

Acute Myeloblastic Leukemia (M2) with Translocation (7;11) Followed by Marked Eosinophilia and Additional Abnormalities of Chromosome 5 37
A. Abe, M. Tanimoto, M. Towatari, A. Matsuoka, K. Kitaori, H. Kato, H. Toyozumi, T. Takeo, K. Adachi, N. Emi, K. Kawashima, and H. Saito

A t(11;14)(p13;q11) Specific for T-Cell Malignancies in Acute Megakaryoblastic Leukemia 42
T. Shikano, T. Kaneko, T. Konishi, and Y. Satake

Detection of 9p Deletions in Leukemia Cell Lines by Interphase Fluorescence In Situ Hybridization with YAC-Derived Probes 46
M. Dreyling, H. Kobayashi, O.I. Olopade, M.M. Le Beau, J.D. Rowley, and S.K. Bohlander

Contents continued on next page

Contents continued

Mesenchymal Chondrosarcoma: A Cytogenetic, Immunohistochemical and Ultrastructural Study 56
S.M. Dobin, L.R. Donner, and V.O. Speights, Jr.

Fluorescent In Situ Hybridization Studies of Lymphocytes and Neutrophils in Chronic Granulocytic Leukemia 61
A. Tefferi, C.R. Schad, R.K. Pruthi, G.J. Ahmann, J.L. Spurbeck, and G.W. Dewald

A Novel t(9;11)(p22;q23) With ALL-1 Gene Rearrangement Associated with Progression of a Myeloproliferative Disorder to Acute Myeloid Leukemia 65
M. Negrini, A. Cuneo, T. Nakamura, R. Baffa, S. Sabbioni, H. Alder, G. Castoldi, and C.M. Croce

Nonrandom Karyotype Abnormalities in 36 Multiple Myeloma Patients 71
R. Ankathil, J. Madhavan, V.P. Gangadharan, G. Rajasekharan Pillai, and M. Krishnan Nair

Chromosome Aberrations, Spontaneous SCE, and Growth Kinetics in PHA-Stimulated Lymphocytes of Five Cases with Sézary Syndrome 75
J. Limon, B. Nedoszytko, I. Brozek, A. Hellmann, S. Zajączek, J. Lubiński, and K. Mrózek

Short Communications

Renal Adenocarcinoma in an 8-Year-Old Child, with a t(X;17)(p11.2;q25) 82
M.J. Hernandez-Marti, C. Orellana-Alonso, L. Badía-Garrabou, A. Verdeguer Miralles, and S. Paradís-Alós

Numerical and Structural Chromosome Abnormalities in an Ovarian Fibrothecoma 84
T. Izutsu, T. Kudo, F. Miura, and I. Nishiya

Assignment of the Human *TIM* Proto-Oncogene to 7q33→q35 87
S. Takai, A.M.-L. Chan, K. Yamada, and T. Miki

Acute Lymphoblastic Leukemia With a Unique Translocation in an Adolescent Boy 90
A. Ballin, M. Shohat, and D. Meytes

Volume 83, Number 2, September 1995

Contents

Lead Article

Cytogenetics of 158 Patients with Regional or Disseminated Melanoma: Subset Analysis of Near-diploid and Simple Karyotypes 93
F.H. Thompson, J. Emerson, S. Olson, R. Weinstein, S.A. Leavitt, S.P.L. Leong, S. Emerson, J.M. Trent, M.A. Nelson, S.E. Salmon, and R. Taetle

Original Articles

The Characterization of Chromosomal Rearrangements by a Combined Micro-FISH Approach in a Patient with Myelodysplastic Syndrome 105
J. Xu, E. Cedrone, M. Roberts, G. Wu, S. Gershagen, and N. Wang

Additional Copies of 1q in Sequential Samples From a Phyllodes Tumor of the Breast 111
S.H. Birdsall, B.M. Summersgill, M. Egan, I.S. Fentiman, B.A. Gusterson, and J.M. Shipley

Fluorescence In Situ Hybridization (FISH) for Retrospective Detection of Trisomies 3 and 7 in Multiple Myeloma 115
R. Dubinsky, A. Amiel, Y. Manor, Y. Radnay, M. Fejgin, M. Ravid, and M. Lishner

A Recurrent Translocation, t(3;11)(q21;q13), Found in Two Distinct Cases of Acute Myeloid Leukemia 119
J.C. Cigudosa, M.J. Calasanz Abinzano, M.D. Odero, J. Marín, E. Bengoechea, and A. Gullón

Chromosome Rearrangements at Telomeric Level in Hematologic Disorders 121
P. Temperani, F. Giacobbi, G. Gandini, U. Torelli, and G. Emilia

Heterogeneity, Polyploidy, Aneusomy, and 9p Deletion in Human Glioblastoma Multiforme 127
S.H. Park, T. Maeda, G. Mohapatra, F.M. Waldman, R.L. Davis, and B.G. Feuerstein

An Eight-Way Variant t(15;17) in Acute Promyelocytic Leukemia Elucidated Using Fluorescence In Situ Hybridization 136
L.R. Hiorns, G.J. Swansbury, and D. Catovsky

Translocation (2;14)(p13;q32) in CD10+;CD13+ Acute Lymphatic Leukemia 140
M. Berkowicz, A. Toren, E. Rosner, M. Biniaminov, E. Rosenthal, N. Gipsh, S. Berman, I. Hardan, M. Mandel, N. Amariglio, Z. Mark, O. Soffer, P. Rannani, G. Kenet, Y. Neumann, N. Sharon, F. Brok-Simoni, V. Rubnov, I. Ben-Bassat, and G. Rechavi

der(1;15)(q10;10): A Nonrandom Chromosomal Abnormality of Myeloid Neoplasia 144
K.F. Wong, K.J. Hayes, and A.B. Glassman

Expression of the ROS1 Oncogene for Tyrosine Receptor Kinase in Adult Human Meningiomas 148
J.-F. Zhao and S. Sharma

UV-Induced Melanoma: A Karyotype with a Single Translocation is Stable After Allografting and Metastasis 155
T.P. Dooley, V.L. Mattern, C.M. Moore, and E.S. Robinson

Allelic Status of Chromosome 1 in Neoplasms of the Nervous System 160
M.J. Bello, P.E. Leone, P. Nebreda, J.M. de Campos, M.E. Kusak, J. Vaquero, J.L. Sarasa, P. García-Miguel, A. Queizan, J.L. Hernández-Moneo, A. Pestaña, and J.A. Rey

Short Communications

Another Case of Trisomy 4 with Double Minute Chromosomes in Acute Non-Lymphocytic Leukemia 165
S. Ramond, A. Delmer, F. Cymbalista-Ajchembaum, M. Cadiou, F. Viguié, R. Zittoun, and J.-P. Dadoune

Low-Grade Astrocytoma with a Complex Four-Breakpoint Inversion of Chromosome 8 as the Sole Cytogenetic Aberration 168
J.R. Sawyer, J.R. Thomas, and C. Teo

Letters to the Editor

Mouse Chromosome 14 is Altered in Different Metastatic Murine Neoplasias 172
S. Pathak, B.J. Dave, and P. Gadhia

Is i(1)(q10) a Chromosome Marker in Phyllodes Tumor of the Breast? 174
P. Dal Cin, P. Moreman, I. De Wever, and H. Van Den Berghe

The Pathogenetic Significance of Acquired Trisomy 8 is Not Reducible to Amplification of a Single Chromosome Band 176
F. Mertens, M. Johansson, and F. Mitelman

An XYY Male With Acute Lymphoblastic Leukemia 178
A.H. Trivedi, S.R. Bakshi, S.K. Roy, R.K. Patel, D.B. Balar, A. Anand, and P.M. Shah

Volume 84, Number 1, October 1, 1995

Contents

Original Articles

Cytogenetics of Malignant Gliomas: I. The Autosomes with Reference to Rearrangements 1
B.K. Hecht, C. Turc-Carel, M. Chatel, P. Grellier, J. Gioanni, R. Attias, P. Gaudray, and F. Hecht

Contents continued on next page

Contents Continued

Cytogenetics of Malignant Gliomas: II. The Sex Chromosomes with Reference to X Isodisomy and the Role of Numerical X/Y Changes 9
B.K. Hecht, C. Turc-Carel, M. Chatel, P. Paquis, J. Gioanni, R. Attias, P. Gaudray, and F. Hecht

Cytogenetic Analysis is Non-Informative for Assessing the Remission Rate in Chronic Myeloid Leukemia (CML) Patients on Interferon-α (IFN-α) Therapy 15
M.C. Cox-Froncillo, M. Cantonetti, M. Masi, R. Lentini, P. Giudiceandrea, L. Maffei, M. Tribalto, S. Amadori, and G. Papa

Partial Triplication (7q) in a Child with Acute Lymphoblastic Leukemia Demonstrated with Conventional Cytogenetics, PRINS, and Chromosome Painting 19
J. Hindkjær, S. Hammoudah, N. Clausen, J. Koch, and B. Pedersen

Neurofibromatosis 2 Gene in Human Colorectal Cancer 24
A.K. Rustgi, L. Xu, D. Pinney, C. Sterner, R. Beauchamp, S. Schmidt, J.F. Gusella, and V. Ramesh

Cytogenetics of Fine Needle Aspiration Biopsies of Sarcomas 27
W.M. Molenaar, E. van den Berg, A.C. Dolfin, H. Zorgdrager, and H.J. Hoekstra

Translocation 11;14 in Three Children with Acute Lymphoblastic Leukemia of T-Cell Origin 32
I.Q. Zalcberg, M.L.M. Silva, E. Abdelhay, D.G. Tabak, M.H. Ornellas, F.V. Simões, W. Pucheri, R. Ribeiro, and H.N. Seuánez

Multiple Chromosomal Aberrations and 11p Allelotyping in Lung Cancer Cell Lines 39
G. Bepler and A. Koehler

Cytogenetic Evidence that a Tumor Suppressor Gene in the Long Arm of Chromosome 1 Contributes to Glioma Growth 46
Y.S. Li, D.A. Ramsey, Y.-S. Fan, R.F. Armstrong, and R.F. Del Maestro

Expression of Common Fragile Sites in Lymphocytes of Wilms Tumor in Patients, Their Parents, and Siblings 51
T.S. Sundareshan and M. Augustus

Analysis of Microsatellite Repeats in Pediatric Brain Tumors 56
N. Amariglio, E. Friedman, O. Mor, H. Stiebel, C. Phelan, P. Collins, M. Nordenskjold, F. Brok-Simoni, and G. Rechavi

Correlation of Cytogenetic Results with Immunophenotype, Genotype, Clinical Features, and Ras Mutation in Acute Myeloid Leukemia: A Study of 235 Chinese Patients in Taiwan 60
H.-F. Tien, C.-H. Wang, M.-T. Lin, F.-Y. Lee, M.-C. Liu, S.-M. Chuang, Y.-C. Chen, M.-C. Shen, K.-H. Lin, and D.-T. Lin

Overexpression of the PRAD1 Oncogene in a Patient with Prolymphocytic Leukemia with t(11;14)(q13;q32) 69
H. Kobayashi, K. Kitano, H. Saito, K. Aoki, A. Narita, N. Terada, M. Sonoyama, K. Uchimaru, T. Machii, and T. Motokura

Chromosome 7 in Glioblastoma Tissue: Parenchymal vs. Endothelial Cells 73
P. Pylkkänen, A. Paetau, and S. Knuutila

Detection of Chromosome 18 Rearrangement in Synovial Sarcoma by Fluorescence In Situ Hybridization 76
H.T. Poteat, J.M. Corson, and J.A. Fletcher

Short Communications

A Hamartoma of the Breast With an Aberration of 12q Mapped to the MAR Region by Fluorescence In Situ Hybridization 82
C. Rohen, J. Caselitz, C. Stern, S. Wanschura, E.F.P.M. Schoenmakers, W.J.M. Van de Ven, S. Bartnitzke, and J. Bullerdiek

Endometrial Stromal Sarcoma with Clonal Chromosomal Aberrations and Mixed Phenotype 85
L. Füzesi, B. Gunawan, S. Braun, and M.C. Karl

Letters to the Editor
Chromosomal Abnormalities in Tumor and Lymphocyte Cultures From Patients With Pituitary Adenomas 89
E. Capra, S. Scappaticci, and M. Pompei Spina

High Chromosome Numbers of Testicular Germ Cell Tumors: An Update 90
N.B. Atkin and M.C. Baker

Volume 84, Number 2, October 15, 1995

Contents

Original Articles
Reverse Transcription Polymerase Chain Reaction for the Diagnosis and Molecular Monitoring of the PML/RARα Fusion Gene in Acute Promyelocytic Leukemia 91
N.-A. Viniou, X. Yataganas, K. Stamatopoulos, I. Xefteri, T. Kalmantis, P. Papasavas, C. Mimtsulis, J. Rombos, J. Meletis, K. Bourantas, N. Zoumbos, G. Pangalis, and D. Loukopoulos

Carcinoid in a Horseshoe Kidney: Morphology, Immunohistochemistry, and Cytogenetics 95
E. van den Berg, A.S.H. Gouw, J.W. Oosterhuis, S. Störkel, T. Dijkhuizen, H.J.A. Mensink, and B. de Jong

An Abnormal Clone With Monosomy 7 and Trisomy 21 in the Bone Marrow of a Child With Congenital Agranulocytosis (Kostmann Disease) Treated With Granulocyte Colony-Stimulating Factor: Evolution Towards Myelodysplastic Syndrome and Acute Basophilic Leukemia 99
S. Shekhter-Levin, L. Penchansky, M.R. Wollman, M.E. Sherer, N. Wald, and S.M. Gollin

Further Evidence for the Lack of Correlation Between the Breakpoint Site Within M-*BCR* and CML Prognosis and for the Occasional Involvement of p53 in Transformation 105
R.C.T. Aguiar, P.L.M. Dahia, I. Bendit, B. Beitler, P. Dorlhiac, S. Bydlowski, and D. Chamone

Cytogenetic Findings in a Case of Congenital Mesoblastic Nephroma 113
M. Lowery, B. Issa, T. Pysher, and A. Brothman

FISH in the Evaluation of Pleural and Ascitic Fluids 116
Z. Chen, D.D. Wang, A. Peier, J.F. Stone, and A.A. Sandberg

Short Communications
A New Case of Trisomy 5 as Sole Cytogenetic Anomaly in Acute Myeloid Leukemia 120
R. Ríos, F. Solé, C. Montes, A. Vicente, M.M. Pérez, M. Valle, and F. Gascón

Cytogenetic Characterization of a Familial Papillary Renal Cell Carcinoma 123
M. Bernués, C. Casadevall, R. Miró, M.R. Caballín, H. Villavicencio, J. Salvador, A. Zamarrón, and J. Egozcue

Dr. Sandberg's Award Presentation Speech 128
Herman Van Den Berghe

Abstracts
The Sixth International Workshop on Chromosomes in Solid Tumors 129
J.M. Trent, Conference Chairman

Contents continued on next page

Contents continued

Volume 85, Number 1, November, 1995

Contents

Original Articles

Hexasomy of Chromosome 8 and Trisomy of Chromosome 11 Characterize Two Karyotypically Independent Clones in a Case of Acute Non-lymphocytic Leukemia: Conventional Cytogenic and FISH Investigation — 1
L. Trakhtenbrot, E. Rosner, N. Gipsh, S. Berman, O. Sofer, F. Brok-Simoni, G. Rechavi, and I. Ben-Bassat

Malignant Trophoblastic Neoplasms with Different Modes of Origin — 5
T. Arima, T. Imamura, N. Sakuragi, M. Higashi, T. Kamura, S. Fujimoto, H. Nakano, and N. Wake

Cytogenetic Study of Neoplastic and Nonneoplastic Cells of the Skin — 16
É.C. Pavarino, J.R. Antonio, E.M. de Oliveira Pozzetti, H.J.A. Larranãga, and E.H. Tajara

Cytogenetic Analysis of Thyroid Tumors After Cryopreservation — 20
M.E. Herrmann, C. Gipson, M.R. Ansari, F.R. Lewis Jr., and G.B. Talpos

Correlation of Loss of Heterozygosity with Cytogenetic Analysis Using G-banding and Fluorescence In Situ Hybridization in Aneuploid Cultures from Two Human Testicular Germ-Cell Tumors — 26
R.M.A. Al-Jehani, D. Wells, M. Fox, and J.M. Parrington

Single-Cell Trisomy in Hematologic Malignancy: Random Change or Tip of the Iceberg? — 37
A. Kasprzyk, A.B. Mehta, and L.M. Secker-Walker

p53 Mutation in Epithelial Ovarian Carcinoma and Borderline Ovarian Tumor — 43
J.-H. Lee, Y.-S. Kang, S.-Y. Park, B.-G. Kim, E.-D. Lee, K.-H. Lee, K.-B. Park, J.J. Kavanagh, and J.T. Wharton

Cytogenetic, Telomere, and Telomerase Studies in Five Surgically Managed Lumbosacral Chordomas — 51
M.G. Butler, G.A. Dahir, L.K. Hedges, S.F. Juliao, M.F. Sciadini, and H.S. Schwartz

Rehybridization on Metaphases Studied Previously by FISH: An Approach to Analyze Chromosome Aberrations — 58
M.-R. Wang, B. Perissel, and P. Malet

Accumulation of Chromosomal Changes in Human Glioma Progression: A Cytogenetic Study of 50 Cases — 61
M. Dębiec-Rychter, J. Alwasiak, P.P. Liberski, B. Nedoszytko, M. Babińska, K. Mrózek, B. Imieliński, J. Borowska-Lehman, and J. Limon

Common Clonal Chromosome Aberrations in Cytokine-Dependent Continuous Human T-Lymphocyte Cell Lines — 68
K. Kaltoft, B.H. Hansen, C.B. Pedersen, S. Pedersen, and K. Thestrup-Pedersen

Chemical Induction of Sister Chromatid Exchange at Fragile Sites — 72
S.L. Wenger

Short Communications

An Unusual Cytogenetic Abnormality Involving Chromosomes 1 and 7 in a Case of Chronic Myelomonocytic Leukemia — 75
S.I. Papadhimitriou, D. Abazis, C. Repa, C. Papaconstantinou, C. Papanastasiou, C. Pangalos, and M. Stamatelou

No Statistical Association Between Fragile Sites and Constitutional Chromosome Breakpoints — 78
T. Mariani, A. Musio, and S. Simi

Translocation of BCR to Chromosome 9 in a Philadelphia-Negative Chronic Myeloid Leukemia — 82
V. Brunel, D. Sainty, R. Costello, M.-J. Mozziconacci, J. Simonetti, C. Arnoulet, L. Coignet, R. Bouabdallah, J.-A. Gastaut, J. Gabert, and M. Lafage-Pochitaloff

Tetrasomy 21 as a Sole Abnormality in Erythroleukemia 85
A.M. Udayakumar and T.S. Sundareshan

Letters

Cytogenetic Analyses of Patients With Skin Tumors 88
G.D. de C. Severi-Aguiar, J.M. Fiori, H.J.A. Larranãga, E.M. de Oliveira Pozzeti, J.R. Antonio, and E.H. Tajara

Chronic Myelomonocytic Leukemia with a Novel t(5;18) Translocation 89
K.F. Wong, Y. Chu, and J. Chung

Volume 85, Number 2, December 1995

Contents

Original Articles

A Cytogenetic Study of Malignant Fibrous Histiocytoma 91
J. Szymanska, M. Tarkkanen, T. Wiklund, M. Virolainen, C. Blomqvist, S. Asko-Seljavaara, E. Tukiainen, I. Elomaa, and S. Knuutila

Genetic Heterogeneity of Chromosome 11 Associated with Tumorigenicity in HeLa D98-OR Cells 97
I. Horikawa, A. Okamoto, J. Yokota, and M. Oshimura

Loss of Chromosome 22 and 14 in the Malignant Progression of Meningiomas: A Comparative Study of Fluorescence In Situ Hybridization (FISH) and Standard Cytogenetic Analysis 101
B.F. Schneider, V. Shashi, C. von Kap-herr, and W.L. Golden

Malignant Progression of an HPV16-immortalized Human Keratinocyte Cell Line (HPKIA) In Vitro 105
M. Dürst, S. Seagon, S. Wanschura, H. zur Hausen, and J. Bullerdiek

Cytogenetical Findings of Recurrent Meningiomas: A Study of 10 Tumors 113
C. López-Ginés, M. Cerdá-Nicolás, J.L. Barcia-Salorio, and A. Llombart-Bosch

The BCL-1, BCL-2, and BCL-3 Oncogenes Are Involved in Chronic Lymphocytic Leukemia: Detection by Fluorescence In Situ Hybridization 118
M. Lishner, A. Lalkin, A. Klein, S. Yarkoni, Y. Manor, M. Fejgin, V. Leytin, M. Ravid, and A. Amiel

Retrospective Investigation of Hematopoietic Chimerism After BMT by PCR Amplification of Hypervariable DNA Regions 124
L. Stuppia, G. Calabrese, P. Di Bartolomeo, R. Peila, P.G. Franchi, E. Morizio, and G. Palka

Ectopic Nucleolar Organizer Regions: A Common Anomaly Revealed by Ag-NOR Staining of Metaphases from Nine Cancers 129
N.B. Atkin and M.C. Baker

Cytogenetic Evidence That Carcinoma In Situ is the Precursor Lesion for Invasive Testicular Germ Cell Tumors 133
J. van Echten, R.J.H.L.M. van Gurp, M. Stoepker, L.H.J. Looijenga, B. de Jong, and J.W. Oosterhuis

Multiple Clonal Chromosome Aberrations in a Case of Childhood Focal Nodular Hyperplasia of the Liver 138
P. Heimann, G. Ogur, C. Debusscher, C. De Valck, E. Sariban, C. Deprez, G. De Roy, and E. Vamos

Homologous Centromere Association of Chromosomes 9 and 17 in Prostate Cancer 143
B.J. Williams, E. Jones, and A.R. Brothman

Contents continued on next page

Contents continued

Short Communications

Chromosomal Abnormalities in Non-Neoplastic Renal Tissue 152
E. van den Berg, T. Dijkhuizen, S. Störkel, W.M. Molenaar, and B. de Jong

Letters to the Editor

Chromosomal Alterations in a Case of Ganglioglioma 155
M. Debiec-Rychter, P.P. Liberski, J. Alwasiak, and A. Klimek

Translocation Basis for Polychromosomal Rings 157
F. Pedeutour, C. Turc-Carel, B.K. Hecht, and F. Hecht

SIL/TAL1 Recombination in Adult T-Acute Lymphoblastic Leukemia and T-Lymphoblastic Lymphoma 159
Y.L. Kwong, D. Chan, and R. Liang

Author Index 161

Subject Index 166